

“Dichiarazione DNSH – Scheda”

CONVENZIONE CONSIP PC DESKTOP WORKSTATION E MONITOR 2 LOTTO 4 - WORKSTATION GRAFICHE]

La sottoscritta		
Codice fiscale		
Nella sua qualità di:		
<input checked="" type="checkbox"/>	Titolare o Legale rappresentante	
<input type="checkbox"/>	Procuratore	
Dell'operatore economico		Posdata S.r.l.

ai sensi e per gli effetti dell'art. 76 del D.P.R. n. 445/2000 consapevole della responsabilità e delle conseguenze civili e penali previste in caso di dichiarazioni mendaci e/o formazione od uso di atti falsi, nonché in caso di esibizione di atti contenenti dati non più corrispondenti a verità e consapevole, altresì, che qualora emerga la non veridicità del contenuto della presente dichiarazione il concorrente decadrà dai benefici per i quali la stessa è rilasciata

DICHIARA

che i prodotti “Lenovo ThinkStation P358 e Lenovo ThinkVision E24-28” rispettano il principio DNSH (“Do No Significant Harm”), ovvero di “non arrecare danno significativo agli obiettivi ambientali”, così come espressamente previsto dall'art. 18 comma 4 lett. d) del Regolamento UE 241/2021, che istituisce il “Dispositivo per la ripresa e la resilienza” e all'art. 9 del Regolamento (UE) 2020/852 così come declinato nella circolare n. 33 del 13 ottobre 2022 della RGS ovvero concordato con la medesima.

A tal fine, viene prodotta la check-list contenente gli elementi di controllo definiti nella scheda 3 “Acquisto, Leasing e Noleggio di computer e apparecchiature elettriche ed elettroniche” di cui alla Circolare RGS n.33 del 13 ottobre 2022 della RGS ovvero concordato con la medesima.

Scheda - Acquisto di apparecchiature elettriche ed elettroniche					
Verifiche e controlli da condurre per garantire il principio DNSH					
Tempo di svolgimento delle verifiche	n.	Elemento di controllo	Esito (Sì/No/Non applicabile)	Commento (obbligatorio in caso di N/A)	
Ex ante	1	E' disponibile l'iscrizione alla piattaforma RAEE in qualità di produttore e/o distributore e/o fornitore?	SI		
	2	I prodotti elettronici acquistati sono dotati di un'etichetta ambientale di tipo I, secondo la UNI EN ISO 14024, ad esempio TCO Certified, EPEAT 2018, Blue Angel, TÜV Green Product Mark o di etichetta equivalente)	SI	TCO certified, EPEAT Silver	
	In caso di assenza di un etichetta ambientale di tipo I dovranno essere verificati i requisiti seguenti al posto del punto 2				
	3	L'AAE è dotata di Etichetta EPA ENERGY STAR?	SI		
	In alternativa al punto 3, rispondere al punto 3.1				
	3.1	E' disponibile una dichiarazione del produttore che attesti che il consumo tipico di energia elettrica (Etec), calcolato per ogni dispositivo offerto, non superi il TEC massimo necessario (Etec-max) in linea con quanto descritto nell'Allegato III dei criteri GPP UE ?			
	4	Nel libretto d'istruzione sono comprese istruzioni che spieghino come ridurre al minimo il consumo di energia?	SI		
5	L'offerente rende disponibili le parti di ricambio originali o equivalenti (direttamente o tramite mandatari) per la durata di vita prevista	SI			

		dell'apparecchiatura, per un periodo di almeno cinque anni oltre al periodo di garanzia?		
6		L'offerente fornisce le raccomandazioni per un'adeguata manutenzione del prodotto, comprese informazioni sulle parti di ricambio che possono essere sostituite, consigli per la pulizia?	SI	
7		Nel caso di server e prodotti di archiviazioni dati, è disponibile la dichiarazione dei produttori/fornitori di conformità alla seguente normativa: ecodesign (Regolamento (EU) 2019/424)?	SI	
8		Nel caso di computer fissi e display, è presente la marcatura di alloggiamenti e mascherine di plastica secondo gli standard ISO 11469 e ISO 1043?	SI	
9		Nel caso di fornitura di apparecchiature TIC ricondizionate/rifabbricate, è disponibile una delle certificazioni di sistema di gestione seguente: <ul style="list-style-type: none"> • ISO 9001 e ISO 14001 / regolamento EMAS (certificazione di sistema di gestione disponibile sotto accreditamento – il campo di applicazione della certificazione dovrà riportare lo specifico scopo richiesto); • EN 50614:2020 (qualora l'apparecchiatura sia stata precedentemente scartata come rifiuto RAEE, e preparata per il riutilizzo per lo stesso scopo per cui è stata concepita)? 	N/A	<i>Non applicabile in quanto non si tratta di forniture di apparecchiature TIC ricondizionate o rifabbricate.</i>
10		E' disponibile una dichiarazione del produttore/fornitore di rispetto della seguente normativa: REACH (Regolamento (CE) n.1907/2006); RoHS (Direttiva 2011/65/EU e s.m.i.); Compatibilità elettromagnetica (Direttiva 2014/30/UE e s.m.i.)?	SI	
11		Sono state indicate le limitazioni delle caratteristiche di pericolo dei materiali che si prevede utilizzare (Art. 57, Regolamento CE 1907/2006, REACH)?	N/A	<i>Non applicabile in quanto non si tratta di forniture di sostanze chimiche né di sostanze intermedie</i>
Alle apparecchiature per stampa, copia, multifunzione e servizi di Print&Copy si applica un requisito trasversale				
12		E' verificata la conformità alle specifiche tecniche e clausole contrattuali dei Criteri ambientali minimi "Affidamento del servizio di stampa gestita, affidamento del servizio di noleggio di stampanti e di apparecchiature multifunzione per ufficio e acquisto o il leasing di stampanti e di apparecchiature multifunzione per ufficio, approvato con DM 17 ottobre 2019, in G.U. n. 261 del 7 novembre 2019" ?	N/A	<i>Non applicabile in quanto non si tratta di apparecchiature per stampa, copia, multifunzione e servizi di Print&Copy.</i>

Firma digitale¹ del legale rappresentante/procuratore²
Marina Noto

¹ Per gli operatori economici italiani o stranieri residenti in Italia, la dichiarazione deve essere sottoscritta da un legale rappresentante ovvero da un procuratore² del legale rappresentante, apponendo la firma digitale. Per gli operatori economici stranieri non residenti in Italia, la dichiarazione può essere sottoscritta dai medesimi soggetti apponendo la firma autografa ed allegando copia di un documento di identità del firmatario in corso di validità.

² Nel caso in cui la dichiarazione sia firmata da un procuratore del legale rappresentante deve essere allegata copia conforme all'originale della procura oppure nel solo caso in cui dalla visura camerale dell'operatore economico risulti l'indicazione espressa dei poteri rappresentativi conferiti con la procura, la dichiarazione sostitutiva resa dal procuratore/legale rappresentante sottoscrittore attestante la sussistenza dei poteri rappresentativi risultanti dalla visura.

APPENDICE: VINCOLI DNSH

Obiettivo: Mitigazione del cambiamento climatico

Criticità: Inefficienza energetica di prodotti elettronici di per sé molto energivore con conseguente produzione di emissioni di gas climalteranti.

Al fine di garantire il rispetto del principio DNSH connesso con la mitigazione dei cambiamenti climatici e la significativa riduzione di emissioni di gas a effetto serra, dovranno essere adottate tutte le strategie disponibili per l'acquisto di prodotti elettronici in linea con l'obiettivo di contenere le emissioni GHG.

Elementi di verifica ex ante

- I prodotti elettronici acquistati sono dotati di un'etichetta ambientale di tipo I, secondo la UNI EN ISO 14024, ad esempio TCO Certified, EPEAT 2018, Blue Angel, TÜV Green Product Mark o di etichetta equivalente.

In alternativa è ammissibile uno dei seguenti elementi:

- Etichetta EPA ENERGY STAR;
- Dichiarazione del produttore che attesti che il consumo tipico di energia elettrica (Etec), calcolato per ogni dispositivo offerto, non superi il TEC massimo necessario (Etec-max) in linea con quanto descritto nell'Allegato III dei criteri GPP UE.
- L'offerente deve assicurarsi che nel libretto d'istruzione siano comprese istruzioni che spieghino come ridurre al minimo il consumo di energia.

Obiettivo: Adattamento ai cambiamenti climatici (Non pertinente)

Obiettivo: Uso sostenibile e protezione delle acque e delle risorse marine (Non pertinente)

Obiettivo: Economia circolare

Criticità: I materiali delle componenti utilizzate per la realizzazione del prodotto risultano difficilmente riciclabili; eccessiva produzione di rifiuti e gestione inefficiente degli stessi.

Le apparecchiature elettroniche acquistate, noleggiate e prese in leasing devono essere in linea con gli standard più aggiornati in termini di durabilità, riutilizzabilità, riciclabilità e corretta gestione dei rifiuti. La fase di progettazione del prodotto considera l'impatto ambientale durante il suo intero ciclo di vita facilitando il miglioramento delle prestazioni ambientali in modo economicamente efficace, anche in termini di efficienza delle risorse e dei materiali, e quindi contribuisce ad un uso sostenibile delle risorse naturali.

Elementi di verifica ex-ante

- Iscrizione alla piattaforma RAEE in qualità di produttore e/o distributore e/o fornitore;
- Etichetta ambientale di tipo I, secondo la UNI EN ISO 14024, che verifichi l'allineamento con il principio di non arrecare danno significativo all'economia circolare (es: EPEAT, Blauer Engel, TCO Certified o altra etichetta equivalente).

In assenza di tale etichetta, è richiesto l'elemento di verifica seguente:

- Nel caso di server e prodotti di archiviazioni dati, dichiarazione dei produttori/fornitori di conformità alla seguente normativa: ecodesign (Regolamento (EU) 2019/424);
- Nel caso di computer fissi e display, marcatura di alloggiamenti e mascherine di plastica secondo gli standard ISO 11469 e ISO 1043.

Nel caso di fornitura di **apparecchiature TIC ricondizionate/rifabbricate** dovrà essere fornita una delle certificazioni di sistema di gestione seguente:

- ISO 9001 e ISO 14001/regolamento EMAS (certificazione di sistema di gestione disponibile sotto accreditamento – il campo di applicazione della certificazione dovrà riportare lo specifico scopo richiesto);
- EN 50614:2020 (qualora l'apparecchiatura sia stata precedentemente scartata come rifiuto RAEE, e preparata per il riutilizzo per lo stesso scopo per cui è stata concepita).
- L'offerente deve garantire la disponibilità di parti di ricambio originali o equivalenti (direttamente o tramite mandatarî) per la durata di vita prevista dell'apparecchiatura, per un periodo di almeno cinque anni oltre al periodo di garanzia;
- L'offerente deve fornire raccomandazioni per un'adeguata manutenzione del prodotto, comprese informazioni sulle parti di ricambio che possono essere sostituite, consigli per la pulizia;

Obiettivo: Prevenzione e riduzione dell'inquinamento

Criticità: I materiali delle componenti utilizzate per la realizzazione del prodotto contengono sostanze inquinanti

Nella costruzione non potranno essere utilizzati componenti, prodotti e materiali contenenti sostanze estremamente preoccupanti.

Elementi di verifica ex-ante

- Etichetta ambientale di tipo I, secondo la UNI EN ISO 14024, che verifichi l'allineamento con il principio di non arrecare danno significativo alla prevenzione e riduzione dell'inquinamento (es: EPEAT, Blauer Engel, TCO Certified, o altra etichetta equivalente)

In assenza di tale etichetta, sono richieste:

- La conformità delle apparecchiature è verificata tramite una dichiarazione del produttore/fornitore di rispetto della seguente normativa: REACH (Regolamento (CE) n.1907/2006); RoHS (Direttiva 2011/65/EU e s.m.i.); Compatibilità elettromagnetica (Direttiva 2014/30/UE e s.m.i.)

Obiettivo: Protezione e ripristino della biodiversità e degli Ecosistemi (Non pertinente)

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Lenovo - ThinkStation P358 Tower

Specifications	
ENERGY STAR Unique ID:	2395734
Brand Name:	Lenovo
Model Name:	ThinkStation P358 Tower
Model Number:	30GL
Type:	Workstation
Workstations: Processor Brand:	AMD
Workstations: Processor Name:	Ryzen 9 PRO 5945
Workstations: Operating System Name:	Windows 11,Windows 10,Ubuntu
Workstations: Base Processor Speed Per Core (GHz):	3.0
Workstations: System Memory (GB):	128
Workstations: Hard Drives (count):	3
Workstations: Off Mode (watts):	0.6
Workstations: Sleep Mode (watts):	1.4
Workstations: Long Idle (watts):	49.8
Workstations: Short Idle (watts):	51.7
Workstations: Weighted Power of Model (watts):	28.6
Sleep Mode Default Time Upon Shipment (min.):	25
Display Sleep Mode Default Time Upon Shipment (min.):	10
WOL (Wake on LAN) From Sleep:	Shipped Enabled Under All Conditions
Will the Speed of Any Active 1 GB/s or Higher Ethernet Network Links be Reduced to Less Than 1 GB/s When Transitioning to Sleep or Off Mode?:	Yes
Ethernet Capability:	Yes
Date Available On Market:	2022-07-29
Date Certified:	2022-05-11
Markets:	United States, Switzerland, Taiwan, Japan, Canada
ENERGY STAR Certified:	Yes

Additional Model Information

ThinkStation P358 Tower, 30GK, 30GL, 30GM, 30GN;

UPC Codes

Captured On:
12/13/2022


THE ECO DECLARATION



ECMA/TC38-TG3/2015/026
(Rev. 1 – 15 April 2017)

Annex B2 - Product environmental attributes Desktop/All-in-One Computers

The declaration may be published only when all rows and/or fields marked with * are filled-in (n.a. for not applicable). Additional information regarding each item may be found under P15.

Brand *	<i>Lenovo</i>	Logo 
Company name *	<i>Lenovo</i>	
Contact information * e-mail address	<i>Lenovo Global Environmental Affairs Alvin L Carter alcarter@lenovo.com</i>	
Internet site *	<i>http://www.lenovo.com/social_responsibility/us/en/environment.html</i>	
Additional information	<i>The latest version of this document can be found at: http://www.lenovo.com/ecodeclaration</i>	


The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.	
Type of product *	<i>WS</i>
Commercial name *	<i>ThinkStation P358 Tower</i>
Model number *	<i>30GL, 30GK, 30GN, 30GM</i>
Issue date *	<i>2022/5/30</i>
Intended market *	<input checked="" type="checkbox"/> Global <input type="checkbox"/> Europe <input type="checkbox"/> Asia, Pacific & Japan <input type="checkbox"/> Americas <input type="checkbox"/> Other
Additional information	

This is an uncontrolled copy when in printed form. Please refer to the contact information for the latest version.

About Annex B2


Annex B2 reflects Product environmental attributes relevant for Computers and Computer Monitors. The following items from the ECMA-370 Main body are not shown in the template:

- P4.1 – P4.3 Consumable materials
- P9.1 TEC and Print speed
- P10.2 - P10.3 Chemical emissions from printing products
- P11.1 - P11.3 Consumable materials for printing products.

Model number *	30GL, 30GK, 30GN, 30GM	Logo	
Issue date *	2022/5/30		

Product environmental attributes - Legal requirements		Requirement met		
Item		Yes	No	n.a.
P1	Hazardous substances and preparations			
P1.1*	Products do comply with current European RoHS Directive. (See legal reference and NOTE B1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorocarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.4*	Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.5*	Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5µg/cm ² /week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:2011-5.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact): https://www.lenovo.com/us/en/Lenovo-REACH-SVHC-Disclosure	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2	Batteries			
P2.1*	If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal symbol. Information on proper disposal is provided in user manual. (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.3*	Batteries and accumulators are readily removable. (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3	Conformity verification & Eco design (ErP)			
P3.1*	The product is CE-marked to show conformance with applicable legal requirements (see legal reference). The Declaration of Conformity can be requested at: https://www.lenovo.com/us/en/compliance/eu-doc	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3.2*	The product complies with the Eco design requirements for energy-related products, (see legal reference). Required information is; <input type="checkbox"/> given in item P15 or added to this document, <input checked="" type="checkbox"/> available at: https://www.lenovo.com/us/en/compliance/eco-declaration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P5	Product packaging			
P5.1*	Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium and hexavalent chromium by weight of these together.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s) used (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (see legal reference). Comment: Legal reference has no maximum concentration values.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P6	Treatment information			
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTE B1 Restriction applies to the homogeneous material, unless other specified and expressed in weight %. Stating "Yes" means that the product is compliant with the mandatory requirements.

Model number *	30GL, 30GK, 30GN, 30GM	Logo	
Issue date *	2022/5/30		

Product environmental attributes - Market requirements (See General NOTE GN below)			
- Environmental conscious design			Requirement met
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No n.a.
P7 Design, Disassembly, recycling			
P7.1*	Parts that have to be treated separately are easily separable	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.2*	Plastic materials in covers/housing have no surface coating.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Product lifetime			
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.8*	Upgrading can be done using commonly available tools	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.9	Spare parts are available after end of production for: 5 years		<input type="checkbox"/>
P7.10	Service is available after end of production for: 5 years		<input type="checkbox"/>
Material and substance requirements			
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum): Material type: ABS Material type: Material type:		
P7.12	Insulation materials of external electrical cables are PVC free.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P7.13	Insulation materials of internal electrical cables are PVC free.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P7.14	External plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bromine and 0,1% weight (1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, and polyvinyl chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in parts containing more than 25% post-consumer recycled content.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.15	Printed circuit boards, PCBs (without components) are low halogen: all <input type="checkbox"/> PCBs > 25 g <input type="checkbox"/> are low halogen as defined in IEC 61249-2-21. (See 1NOTE B2)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4: Marking: >ABS <	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.17	Alt. 1: Chemical specifications of flame retardants in printed circuit boards > 25 g (without components): <input type="checkbox"/> TBBPA (additive), <input checked="" type="checkbox"/> TBBPA (reactive) (See NOTE B3), <input type="checkbox"/> Other: , CAS #: 79-94-7 Alt. 2: Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according ISO 1043-4:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.18	Alt. 1: Flame retarded plastic parts > 25 g contain the following flame retardant substances/preparations in concentrations above 0,1%: 1. Chemical name: , CAS #: (See NOTE B4) 2. Chemical name: , CAS #: " 3. Chemical name: , CAS #: " Alt. 2: Chemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been assigned the following Risk phrases; and Hazard statements: The source(s) for these classifications is/are found at (add URL(s)): , (See note B5)	<input type="checkbox"/>	<input type="checkbox"/>
P7.20*	Postconsumer recycled plastic material content is used in the product (See Note B6): If YES; at least one of the two alternatives below shall be answered; a) Of total plastic parts' weight > 25 g, the postconsumer recycled plastic material content (calculated as a percentage of total plastic by weight) is 33.51% . or b) The weight of recycled material is 247.1 g .	<input checked="" type="checkbox"/>	<input type="checkbox"/>


GENERAL NOTE Standard references should direct to the latest version of a standard. If an older version of a standard is used, section P15 shall be used for explanation.

NOTE B2 IEC 61249-2-21 defines maximum limits of 900 ppm for each of the substances chlorine and bromine and a maximum limit of 1500ppm of these substances combined. The standard does not address fluorine, iodine and astatine which are included in the group of halogens.

NOTE B3 and B4 A Guidance document on Chemical substances is available; see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>

NOTE B5 If a certain substance has been assigned a certain risk phrases / hazard statement in the referenced source, this does not necessarily mean the substance has been tested for all of the hazards referred to by a certain customer.

NOTE B6 Applies to a product containing plastic parts whose combined weight exceeds 100 g with the exception of printed circuit boards, cables, connectors and electronic components and bio-based plastic material.

Model number *	30GL, 30GK, 30GN, 30GM	Logo	
Issue date *	2022/5/30		

Product environmental attributes - Market requirements (continued)		Requirement met		
Item		Yes	No	n.a.


Material and substance requirements (continued)						
P7.21*	Biobased plastic material content is used in the product (See NOTE B7): If YES; at least one of the two alternatives below shall be answered; a) Of total plastic parts' weight > 25 g, the biobased plastic material content (calculated as a percentage of total plastic by weight) is %. or b) The weight of the biobased plastic material is g.			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P7.22*	Light sources are free from mercury, i.e. less than 0,1 mg/lamp. If mercury is used specify: Number of lamps: and maximum mercury content per lamp: mg			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P8 Batteries						
P8.1*	Battery chemical composition:			<input checked="" type="checkbox"/>		
P9 Energy consumption (See NOTE B8)						
P9.1 For the product the following power levels or energy consumptions are reported:						
Energy mode *	Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard for energy modes and test method *	<input type="checkbox"/>	
Peak (On-max)	W	W	W	Full load		
Category						
Short Idle State - WOL Enabled	51.74 W	51.67 W	50.52 W	Use for ENERGY STAR V8 registration (P_{idle})		
Long Idle State - WOL Enabled	50.01 W	49.76 W	49.55 W	Use for ENERGY STAR V8 registration (P_{idle})		
Sleep (S3) - WOL Enabled	1.43 W	1.42 W	1.37 W	Use for ENERGY STAR V8 registration (P_{sleep})		
Off (S5) - WOL Enabled	0.62 W	0.62 W	0.67 W	Use for ENERGY STAR V8 registration (P_{off})		
Off (S5) - WOL Disabled	W	W	0.61 W	Use for ErP		
EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.)	W	W	W		<input type="checkbox"/>	
PTEC * Typical Energy Consumption	28.67 W	28.6 W	28.14 W		<input type="checkbox"/>	
ETEC * Annual Energy Consumption	kWh/year	kWh/year	kWh/year	$E_{TEC} = (8760/1000) \times (P_{off} \times 0.45 + P_{sleep} \times 0.05 + P_{long_idle} \times 0.15 + P_{short_idle} \times 0.35)$ <i>P_{off}: Off Mode(S5) - WOL Enabled; P_{sleep}: Sleep Mode(S3) - WOL Enabled; P_{idle}: Idle State - WOL Enabled</i>	<input checked="" type="checkbox"/>	
External Power Supply Efficiency Level (International Efficiency Marking Protocol) * : N/A					<input checked="" type="checkbox"/>	
Display resolution * : N/A megapixels					<input checked="" type="checkbox"/>	
Default time to enter energy save mode: 25 minutes					<input type="checkbox"/>	
P9.2*	Information about the energy save function is provided with the product.			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P9.3	Energy efficiency class (monitors only):					<input type="checkbox"/>
P10 Emissions						
Noise emission – Declared according to ISO 9296 (See NOTE B9)						
P10.1	Mode	Mode description	Statistical upper limit A-weighted sound power level, $L_{WA,c}$ (B)			
	Idle	* HDD:Idle	* 2.9			
	Operation	* HDD: Operating	* 4			
	Other mode	Declared A-weighted sound pressure level (dBL)(A)	20 (operator position desktop – idle)			
	Other mode	Declared A-weighted sound pressure level (dBL)(A)	30 (operator position desktop – HDD operating)			
Measured according to: <input checked="" type="checkbox"/> ISO 7779 <input checked="" type="checkbox"/> ECMA-74						

NOTE B7 The following is to be excluded from the calculation of percentage: printed circuit boards, labels, cables, connectors and electronic components and postconsumer recycled plastic

NOTE B8 A Guidance document on Energy Efficiency is available;
see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>

NOTE B9 A Guidance document on Acoustic Noise is available;
see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>

Other (only if not covered by ECMA-74)

Model number *	30GL, 30GK, 30GN, 30GM	Logo			
Issue date *	2022/05/30				
Product environmental attributes - Market requirements (continued)					
Item		Requirement met			
		Yes	No	n.a.	
Electromagnetic emissions					
P10.4	Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary program(s):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
P12 Ergonomics for computing products					
P12.1*	The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
P12.2*	The physical input device meets the requirements of ISO 9995 and ISO 9241-410.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
P13 Packaging and documentation					
P13.1*	Product packaging material type(s): Cardboard weight (kg): 1.155 Product packaging material type(s): EPE weight (kg): 0.317 Product packaging material type(s): PE weight (kg): 0.054				
P13.2*	Product plastic primary packaging is free from PVC.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P13.3*	For product primary corrugated fiberboard packaging, specify the contained percentage of minimum post-consumer recovered fiber content: 90 %			<input type="checkbox"/>	
P13.4*	Specify media for user and product documentation (tick box): <input checked="" type="checkbox"/> Electronic, <input checked="" type="checkbox"/> Paper, <input type="checkbox"/> Other			<input type="checkbox"/>	
P13.5	(Please only complete this item if paper documentation used) User and product documentation on paper media is chlorine-free: If Yes, please specify: Totally chlorine-free Elemental chlorine-free Processed chlorine-free	<input type="checkbox"/>	<input type="checkbox"/>		
		<input checked="" type="checkbox"/>			
		<input checked="" type="checkbox"/>			
		<input checked="" type="checkbox"/>			
P14 Voluntary programs					
P14.1	The product meets the requirements of the following voluntary program(s): ENERGY STAR® Criteria version: 8.0 Date: 2022/1/17 Product category: Workstation Eco-label: EPEAT Criteria version: 2018 Date: 2022/02/22 Product category: Workstation Eco-label: Criteria version: Date: Product category:				
P15 Additional information (See NOTE B10)					
P9	Energy consumption of specific configuration may vary; description of the tested product configuration: NOTE: Supplier makes no representations, guarantees, assurances or warranties whether express or implied, regarding the information contained in this document. All information provided by supplier in this document is provided based on supplier's knowledge available at the time of completion, and supplier shall have no obligation to update such information. The information provided here is approximate and provided for informational purposes only. See a Lenovo Account Representative for more information.				
P9	See Energy Star Qualified Notebooks & Tablet Computers for the latest information: http://www.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&pgw_code=CO				

NOTE B10 Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the <Enter> key.

Legal references Europe Annex B2

Reference	Declaration item
Directive 2011/65/EU (RoHS Directive) * * Specific exemptions apply for certain products and applications.	P1.1
Regulation (EC) 1907/2006 (REACH, Annex XVII)	P1.2, P1.4, P1.6, P1.7
Regulation (EC) 2037/2000, 2038/2000, 2039/2000 (Marketing and use of Ozone layer depleting substances)	P1.3, P5.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
Directive 2013/56/EC (Battery and accumulators Directive) * * These provisions shall not apply where, for safety, performance, medical or data integrity reasons, continuity of power supply is necessary and requires a permanent connection between the appliance and the battery or accumulator	P2.1, P2.2, P2.3, P8.1
Directive 2006/95/EC (Low Voltage Directive)	P3.1
Directive 2004/108/EC (EMC Directive)	P3.1
Directive 1999/5/EC (R&TTE Directive)	P3.1
Regulation (EC) 801/2013 amending Regulation (EC) No 1275/2008 with regard to ecodesign requirements for standby, off mode electric power consumption of electrical and electronic household and office equipment, and amending Regulation (EC) No 642/2009 with regard to ecodesign requirements for televisions	P3.1, P3.2
Regulation (EC) No 1272/2008 (CLP Regulation)	P7.19
Directive 2004/12/EC (Packaging Directive)	P5.1
Decision 97/129/EC (Secondary packaging legislation)	P5.2
Directive 2012/19/EU (WEEE directive)	P6.1

Lenovo ErP Lot3 Information Sheet


- PC / Notebook -

As required by COMMISSION REGULATION (EU) No 617/2013 of 26 June 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for computers and computer servers (ErP Lot3).

Products scope of this sheet:

Desktop computer, integrated desktop computer, and notebook computer

This document is only valid in connection with the IT Eco Declaration of the specific Product.

Commercial name	ThinkStation P358 Tower	Logo 
Model Number	30GL, 30GK, 30GN, 30GM	
Issue Date	2022/05/30	
Additional information		

P7.1.1 Product environmental attributes					
(d)	year of manufacture:			2022	
(e)	Etec value (kWh) per ErP Lot 3 Category and capability adjustments applied when all discrete graphics cards (dGfx) are disabled and if the system is tested with switchable graphics mode with UMA driving the display.				
(f)	Etec value (kWh) per ErP Lot 3 Category and capability adjustments applied when all discrete graphics cards (dGfx) are enable				
		Category A (according to ErP Lot 3)	Category B (according to ErP Lot 3)	Category C (according to ErP Lot 3)	Category D (according to ErP Lot 3)
capability adjustments applied during testing	Memory over base [GB]				
	Additional internal storage	(Yes / No)	(Yes / No)	(Yes / No)	(Yes / No)
	Discrete television tuner	(Yes / No)	(Yes / No)	(Yes / No)	(Yes / No)
	Discrete Audio Card	(Yes / No)	(Yes / No)	(Yes / No)	(Yes / No)
	Discrete graphics Card(s) [number / #]	(Yes / No) #:	(Yes / No) #:	(Yes / No) #:	(Yes / No) #:
	Category of discrete graphics Card(s)				
Test results	Etec Value (kWh) - dGfx disabled all discrete graphics cards (dGfx) are disabled / UMA is active for switchable graphics/ product has no graphics cards (dGfx)				
	Etec Value (kWh) - dGfx enabled all discrete graphics cards (dGfx) are enabled				
(g)	Idle state power demand (Watts);			50.65	
(h)	Sleep mode power demand (Watts);			NA	
(i)	Sleep mode with WOL enabled power demand (Watts) (where enabled);			1.34	
(j)	Off mode power demand (Watts);			NA	
(k)	Off mode with WOL enabled power demand (Watts) (where enabled);			0.61	
(l)	Internal power supply efficiency at 10 %, 20 %, 50 % and 100 % of rated output power (if applicable): PCK010-EL1G: 10% 90.72% 20% 92.57% 50% 93.57% 100% 90.38% Average 92.17% HK600-11PP: 10% 90.34% 20% 93.03% 50% 92.35% 100% 89.32% Average 91.57% PA-3751-1VA-ROHS: 10% 85.35% 20% 93.34% 50% 93.15% 100% 90.57% Average 92.35% HK850-53PP: 10% 90.04% 20% 92.73% 50% 92.44% 100% 89.71% Average 91.63% PCK023-EL1G: 10% 86.72% 20% 88.93% 50% 90.76% 100% 88.24% Average 89.31%				
(m)	External power supply efficiency (if applicable)*: Average active efficiency: N/A *internal note: show values for all available external power supplies				

(o)	Minimum number of loading cycles that the batteries can withstand (applies only to notebook computers):	N/A																		
(p-1)	Measurement methodology used to determine information mentioned in points (l) – internal PSU efficiency: Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies Revision 6.6																			
(p-2)	Measurement methodology used to determine information mentioned in points (m) – external PSU efficiency:	N/A																		
(p-3)	Measurement methodology used to determine information mentioned in points (o) – loading cycles batteries:	N/A																		
(p-4)	Measurement methodology used to determine information mentioned in maximum, idle, sleep, off mode power as defined in Point P9.1 in the Product IT Eco Declaration:	IEC 62623 Ed. 1.0, 2012-10																		
(q)	Sequence of steps for achieving a stable condition with respect to power demand:	Based on user manual/Power on->Wait 5 minutes->Stable condition																		
(r)	Description of how sleep and/or off mode was selected or programmed:	<p>Based on user manual-Set power button behaviors</p> <p>Set power button behaviors</p> <p>You can define what the power button does according to your preference. For example, by pressing the power button, you can turn off the computer or put the computer to sleep or hibernation mode.</p> <p>To change what the power button does:</p> <ol style="list-style-type: none"> 1. Go to Control Panel and view by large icons or small icons. 2. Click Power Options → Choose what the power buttons do. 3. Change the settings as you prefer. 																		
(s)	Sequence of events required to reach the mode where the equipment automatically changes to sleep and/or off mode:	Based on user manual/Control Panel->Power Options-> Change Settings-> Restore default settings for this plan																		
(t)	Duration of idle state condition before the computer automatically reaches sleep mode , or another condition which does not exceed the applicable power demand requirements for sleep mode (in minutes):	25																		
(u)	Length of time after a period of user inactivity in which the computer automatically reaches a power mode that has a lower power demand requirement than sleep mode (in minutes):	NA																		
(v)	Length of time before the display sleep mode is set to activate after user inactivity (in minutes):	10																		
(w)	Information on the energy-saving potential of power management functionality:	Based on user manual																		
(x)	User information on how to enable the power management functionality:	Based on user manual																		
(z)	Test parameters for measurements: — test voltage in V and frequency in Hz, — total harmonic distortion of the electricity supply system, — information and documentation on the instrumentation, set-up and circuits used for electrical testing:	<p>Test voltage in V and frequency in Hz: 230V/50Hz</p> <p>Total harmonic distortion of the electricity supply system: $\leq 2\%$</p> <table border="1"> <thead> <tr> <th>Instrument Name</th> <th>Range Used or *****</th> <th>Make and Model**</th> </tr> </thead> <tbody> <tr> <td>AC Power Source</td> <td>1~300VAC;1~550Hz; 1000VA</td> <td>NF; EC1000S</td> </tr> <tr> <td>Power Meter</td> <td>1~500V;0~20A</td> <td>YOKOGAWA; WT310</td> </tr> <tr> <td>Digital Watch</td> <td>Full Range</td> <td>CASIO; HS-70W</td> </tr> <tr> <td>Ambient Monitor</td> <td>-10~60°C; 0~100&RH</td> <td>Testo; 622</td> </tr> <tr> <td>Anemometer</td> <td>0~20m/s</td> <td>Testo; 425</td> </tr> </tbody> </table>	Instrument Name	Range Used or *****	Make and Model**	AC Power Source	1~300VAC;1~550Hz; 1000VA	NF; EC1000S	Power Meter	1~500V;0~20A	YOKOGAWA; WT310	Digital Watch	Full Range	CASIO; HS-70W	Ambient Monitor	-10~60°C; 0~100&RH	Testo; 622	Anemometer	0~20m/s	Testo; 425
Instrument Name	Range Used or *****	Make and Model**																		
AC Power Source	1~300VAC;1~550Hz; 1000VA	NF; EC1000S																		
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Digital Watch	Full Range	CASIO; HS-70W																		
Ambient Monitor	-10~60°C; 0~100&RH	Testo; 622																		
Anemometer	0~20m/s	Testo; 425																		
Additional Notebook Battery Information:																				

	Battery[ies] not user replaceable The battery[ies] in this product cannot be easily replaced by users themselves. ¹⁾	Battery[ies] user replaceable	n/a
Internal/built-in Battery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
External/detachable Battery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bios Backup Battery	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional information			

1)

The battery[ies] in this product cannot be easily replaced by users themselves.

Аккумуляторната[ите] батерия[и] в този продукт не може да се замени[ят] лесно от самите потребители.

Las baterías de este producto no pueden ser sustituidas fácilmente por los propios usuarios.

Výměnu baterie/baterií v tomto výrobku by neměli provádět sami uživatelé.

Brugeren kan ikke uden videre udskifte batteriet/batterierne i dette produkt.

Der Akku/die Akkus dieses Produkts kann/können nicht ohne weiteres vom Benutzer selbst ausgetauscht werden.

Kasutajad ei saa selle toote akut/akusid ise hõlpsasti asendada.

Η μπαταρία[ς] στο προϊόν αυτό δεν μπορούν να αντικατασταθούν εύκολα από τους ίδιους τους χρήστες.

La/les batterie(s) présente(s) dans ce produit ne peuvent être facilement remplacée(s) par les utilisateurs eux-mêmes.

Korisnik ne može lako zamijeniti Bateriju sam u ovom proizvodu.

La batteria/le batterie in questo prodotto non può/possono essere facilmente sostituita/e dall'utente.

Lietotāji paši nevar nomainīt šā ražojuma akumulatoru(-us).

Šio gaminio baterijos [bateriju] pats vartotojas negali lengvai pakeisti.

A termék akkumulátorát/akkumulátorait a felhasználó nem tudja egyedül egyszerűen kicserélni.

Il-batterija/batteriji f'dan il-prodott ma tistax/jistghux tiġi/jiġu sostitwita/i mill-utenti stess.

Batteriet [ene] i dette produktet kan ikke lett erstattes av brukerne selv.

De batterij(en) in dit product is (zijn) door de gebruiker niet gemakkelijk vervangbaar.

Użytkownik nie może sam w łatwy sposób wymienić baterii w tym produkcie.

A ou as baterias deste produto não podem ser facilmente substituídas pelos próprios utilizadores.

Bateria (bateriile) din acest produs nu poate (pot) fi ușor înlocuită (înlocuite) de utilizatorii înșiși.

Batériu(-ie) v tomto výrobku nemôže vymieňať používateľ.

Baterij/baterije v tem izdelku uporabniki sami ne morejo zlahka zamenjati.

Tämän tuotteen akku [akut] ei[vät] ole helposti käytettävän vaihdettavissa.

Det är inte enkelt för kunden att själv byta ut batteriet/batterierna.

Bu üründe ki batarya(lar) kullanıcılar tarafından kolaylıkla değiştirilemez.

Lenovo (Singapore) Pte. Ltd.
151 Lorong Chuan,
#02-01, New Tech Park,
Singapore, 556741
(Tel - 65-6827-1000 & Fax- 65-6827-1100)

EU Declaration of Conformity

For the **ThinkStation P360 Tower Series Workstation Computer**
Machine Type: 30GL, 30KK, 30KN, 30GM

We, Lenovo (Singapore) Pte Ltd, declare under sole responsibility that the above products,
manufactured for:

Lenovo PC HK Limited.
23/F, Lincoln House, Taikoo Place 979 King's Road,
Quarry Bay, Hong Kong

to which this declaration relates, is in conformity with the requirements of the following EU Directives:

- **Directive 2014/53/EU on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment.**
- **Directive 2009/125/EC establishing a framework for the setting of Ecodesign requirements for Energy-related products.**
- **Council Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment as amended by Directive 2015/863/EU.**

The conformity assessment procedure referred to in Article 17.4a of Directive 2014/53/EU has been followed and performed with the involvement of a Notified Body, in accordance with Article 3.2:

Notified Body Name/number : Nemko North America, Inc./1622
Issued the EU-type examination certificate 1622-R-0046558

The Technical Documentation (TD), relevant to the product described above and which support this DoC is available from the EU contact address on this DoC.

Signed: _____



Date: 24th June 2022

Joseph Chua (Executive Director)

Place of issue: Lenovo (Singapore) Pte Ltd.

European Contact for regulatory purposes only:
Lenovo (Slovakia), Landlerova 12, 811 09 Bratislava, Slovakia
Tel: +421 2 6868 3018

Lenovo (Singapore) Pte. Ltd.
 151 Lorong Chuan,
 #02-01, New Tech Park,
 Singapore, 556741
 (Tel - 65-6827-1000 & Fax- 65-6827-1100)

Standards References

The following harmonized standards and technical documents are those to which the product's conformance is declared, and by specific reference to the essential requirements of the referenced Directives:

RE Directive

Article 3.1(a) (Safety & Health)	EN 62368-1	:	2014+A11:2017	✓
	EN IEC 62311	:	2020	✓

Article 3.1(b) (EMC)	EN 55032	:	2015+A11:2020	✓
	EN IEC 61000-3-2	:	2019+A11:2021	✓
	EN 61000-3-3	:	2013+A1:2019	✓
	EN 55035	:	2017+A11:2020	✓
	EN 301489-1	V2.2.3	2019-11	✓
	EN 301489-3	V2.1.1	2019-03	✓
	EN 301489-17	V3.2.4	2020-09	✓

Article 3.2 (Radio Spectrum)	Wireless module inside							
	WLAN with Bluetooth							
EN 300 328	V2.2.2	2019-07	✓					
EN 301893	V2.1.1	2017-05	✓					
EN 300 440	V2.2.1	2018-07	✓					

RoHS Directive	EN 50581:2012	EN IEC 63000:2018	✓
ErP Directive	EC 617/2013 ErP – Class B		✓

Wireless modules

Wireless module inside	MODEL
WLAN with Bluetooth	MT7921

European Contact for regulatory topics only:
 Lenovo (Slovakia), Landnerova 12, 811 09 Bratislava, Slovakia
 Tel: +421 2 6868 3018



Lenovo Accessibility Conformance Report

Revised Section 508 Edition

VPAT® Version 2.3 – December 2018

Name of Product/Version: ThinkStation P358 (TWR)

Product Description: Workstation computer

See OS VPAT for operating system information on appropriate manufacturer's website. See software VPATs for software information.

Date: 30 September 2022

Contact information: compliance@Lenovo.com

Evaluation Methods Used:

Manual testing is performed on hardware products using a number of different tools to evaluate access by users with disabilities. Brightness, contrast, color chromaticity tools are used to ensure contrast, a force gauge is used to evaluate key button force. Mouse operation is evaluated alongside stylus and other tools that are used to evaluate use without tight pinching or grasping. Measurement tools are used to measure operable controls while audio meters are used to measure volume and gain. Connection ports are evaluated where connection points are available. Any transducers designed to be held to the ear are evaluated by an outside laboratory for coupling standards. Additional tests are performed based on applicable features of the product.

“Voluntary Product Accessibility Template” and “VPAT” are registered service marks of the Information Technology Industry Council (ITI)

Page 1 of 12

Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standard/guidelines:

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0, at http://www.w3.org/TR/2008/REC-WCAG20-20081211/	Level A (No) Level AA (No) Level AAA (No)
Revised Section 508 standards as published by the U.S. Access Board in the Federal Register on January 18, 2017 Corrections to the ICT Final Rule as published by the US Access Board in the Federal Register on January 22, 2018	(Yes)

Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports:** The functionality of the product has at least one method that meets the criterion without equivalent facilitation.
- **Partially Supports:** Some functionality of the product does not meet the criterion.
- **Does Not Support:** The majority of product functionality does not meet the criterion.
- **Not Applicable:** The criterion is not relevant to the product.
- **Not Evaluated:** The product has not been evaluated against the criterion. This can be used only in

Revised Section 508 Report

Chapter 3: Functional Performance Criteria (FPC)

Criteria	Conformance Level	Remedial Exp
302.1 Without Vision. Where a visual mode of operation is provided, ICT shall provide at least one mode of operation that does not require user vision.	Supports	Touch e disting activati other t audibly the ope Functio only ha appear informa other p announ level as
302.2 With Limited Vision. Where a visual mode of operation is provided, ICT shall provide at least one mode of operation that enables users to make use of limited vision.	Supports	All keys with go on a da to iden keys wi
302.3 Without Perception of Color. Where a visual mode of operation is provided, ICT shall provide at least one visual mode of operation that does not require user perception of color.	Supports	Color a meanin

Criteria	Conformance Level	Remedial Exp
302.4 Without Hearing. Where an audible mode of operation is provided, ICT shall provide at least one mode of operation that does not require user hearing.	Supports	When a system applic neede
302.5 With Limited Hearing. Where an audible mode of operation is provided, ICT shall provide at least one mode of operation that enables users to make use of limited hearing.	Supports	Hardwa control can be
302.6 Without Speech. Where speech is used for input, control, or operation, ICT shall provide at least one mode of operation that does not require user speech.	Supports	User sp
302.7 With Limited Manipulation. Where a manual mode of operation is provided, ICT shall provide at least one mode of operation that does not require fine motor control or simultaneous manual operations.	Supports	Contro and op minima mobilit
302.8 With Limited Reach and Strength. Where a manual mode of operation is provided, ICT shall provide at least one mode of operation that is operable with limited reach and limited strength.	Supports	Contro and op minima mobilit can be
302.9 With Limited Language, Cognitive, and Learning Abilities. ICT shall provide features making its use by individuals with limited cognitive, language, and learning abilities simpler and easier.	Supports	All keys or char light sy Touch c disting activati

Chapter 4: Hardware

Criteria	Conformance Level	Rem Exp
402 Closed Functionality	Heading cell – no response required	Headin
402.1 General	Heading cell – no response required	Headin
402.2 Speech-Output Enabled	Heading cell – no response required	Headin
402.2.1 Information Displayed On-Screen	Not Applicable	Not clo
402.2.2 Transactional Outputs	Not Applicable	Not clo
402.2.3 Speech Delivery Type and Coordination	Not Applicable	Not clo
402.2.4 User Control	Not Applicable	Not clo
402.2.5 Braille Instructions	Not Applicable	Not clo
402.3 Volume	Heading cell – no response required	Headin
402.3.1 Private Listening	Not Applicable	Not clo
402.3.2 Non-private Listening	Not Applicable	Not clo
402.4 Characters on Display Screens	Not Applicable	Not clo
402.5 Characters on Variable Message Signs	Not Applicable	Not clo
403 Biometrics	Heading cell – no response required	Headin
403.1 General. Where provided, biometrics shall not be the only means for user identification or control.	Supports	Where authen authen
404 Preservation of Information Provided for Accessibility	Heading cell – no response required	Headin
404.1 General. ICT that transmits or converts information or communication shall not remove non-proprietary information provided for accessibility or shall restore it upon delivery.	Supports	Accessi preserv
405 Privacy	Heading cell – no response required	Headin

Criteria	Conformance Level	Rem Exp
405.1 General. The same degree of privacy of input and output shall be provided to all individuals. When speech output required by 402.2 is enabled, the screen shall not blank automatically.	Supports	Speech combin screen ensure
406 Standard Connections	Heading cell – no response required	Headin
406.1 General. Where data connections used for input and output are provided, at least one of each type of connection shall conform to industry standard non-proprietary formats.	Supports	The pro ports s assistiv accomr
407 Operable Parts	Heading cell – no response required	Headin
407.2 Contrast. Where provided, keys and controls shall contrast visually from background surfaces. Characters and symbols shall contrast visually from background surfaces with either light characters or symbols on a dark background or dark characters or symbols on a light background.	Supports	All keys or char light sy
407.3 Input Controls	Heading cell – no response required	Headin
407.3.1 Tactilely Discernible. Input controls shall be operable by touch and tactilely discernible without activation.	Supports	Touch disting activati
407.3.2 Alphabetic Keys. Where provided, individual alphabetic keys shall be arranged in a QWERTY-based keyboard layout and the “F” and “J” keys shall be tactilely distinct from the other keys.	Supports	Keyboa nubs to keyboa can be touchse
407.3.3 Numeric Keys. Where provided, numeric keys shall be arranged in a 12-key ascending or descending keypad layout. The number five key shall be tactilely distinct from the other keys. Where the ICT provides an alphabetic overlay on numeric keys, the relationships between letters and digits shall conform to ITU-T Recommendation E.161 (incorporated by reference, see 702.7.1).	Supports	Numer ascendi numeri key has keyboa

Criteria	Conformance Level	Rem Exp
407.4 Key Repeat. Where a keyboard with key repeat is provided, the delay before the key repeat feature is activated shall be fixed at, or adjustable to, 2 seconds minimum.	Supports	When o an opti is provi accomr
407.5 Timed Response. Where a timed response is required, the user shall be alerted visually, as well as by touch or sound, and shall be given the opportunity to indicate that more time is needed.	Supports	When o system, display includin
407.6 Operation. At least one mode of operation shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum	Supports	Contro and op minima mobilit can be
407.7 Tickets, Fare Cards, and Keycards. Where tickets, fare cards, or keycards are provided, they shall have an orientation that is tactilely discernible if orientation is important to further use of the ticket, fare card, or keycard.	Not applicable	
407.8 Reach Height and Depth	Heading cell – no response required	Headin
407.8.1 Vertical Reference Plane	Not applicable	
407.8.1.1 Vertical Plane for Side Reach	Not applicable	
407.8.1.2 Vertical Plane for Forward Reach	Not applicable	
407.8.2 Side Reach	Not applicable	
407.8.2.1 Unobstructed Side Reach	Not applicable	
407.8.2.2 Obstructed Side Reach	Not applicable	

Criteria	Conformance Level	Remedial Exp
407.8.3 Forward Reach	Not applicable	
407.8.3.1 Unobstructed Forward Reach	Not applicable	
407.8.3.2 Obstructed Forward Reach	Not applicable	
407.8.3.2.1 Operable Part Height for ICT with Obstructed Forward Reach	Not applicable	
407.8.3.2.2 Knee and Toe Space under ICT with Obstructed Forward Reach	Not applicable	
408 Display Screens	Heading cell – no response required	Headin
408.2 Visibility. Where stationary ICT provides one or more display screens, at least one of each type of display screen shall be visible from a point located 40 inches (1015 mm) above the floor space where the display screen is viewed.	Not applicable	
408.3 Flashing. Where ICT emits lights in flashes, there shall be no more than three flashes in any one-second period.	Supports	The use elemen of seizu epileps
409 Status Indicators	Heading cell – no response required	Headin
409.1 General. Where provided, status indicators shall be discernible visually and by touch or sound.	Supports	When a system sound v to dupl exampl Toggle SCROLL the Eas
410 Color Coding	Heading cell – no response required	Headin
410.1 General. Where provided, color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	Supports	Color a meanin

Criteria	Conformance Level	Rem Exp
411 Audible Signals	Heading cell – no response required	Headin
411.1 General. Where provided, audible signals or cues shall not be used as the only means of conveying information, indicating an action, or prompting a response	Supports	When o system applica needed
412 ICT with Two-Way Voice Communication	Heading cell – no response required	Headin
412.2 Volume Gain	Heading cell – no response required	Headin
412.2.1 Volume Gain for Wireline Telephones	Not Applicable	
412.2.2 Volume Gain for Non-Wireline ICT	Supports	When o system, control
412.3 Interference Reduction and Magnetic Coupling	Heading cell – no response required	Headin
412.3.1 Wireless Handsets	Not Applicable	
412.3.2 Wireline Handsets	Not Applicable	
412.4 Digital Encoding of Speech	Not Applicable	
412.5 Real-Time Text Functionality	Not Applicable	Reserv
412.6 Caller ID	Not Applicable	
412.7 Video Communication	Not Applicable	
412.8 Legacy TTY Support	Heading cell – no response required	Headin
412.8.1 TTY Connectability	Not Applicable	
412.8.2 Voice and Hearing Carry Over	Not Applicable	
412.8.3 Signal Compatibility	Not Applicable	

Criteria	Conformance Level	Rem Exp
412.8.4 Voice Mail and Other Messaging Systems	Not Applicable	
413 Closed Caption Processing Technologies	Heading cell – no response required	Headin
413.1.1 Decoding and Display of Closed Captions. Players and displays shall decode closed caption data and support display of captions.	Not Applicable	
413.1.2 Pass-Through of Closed Caption Data. Cabling and ancillary equipment shall pass through caption data.	Not Applicable	
414 Audio Description Processing Technologies	Heading cell – no response required	Headin
414.1.1 Digital Television Tuners	Not Applicable	
414.1.2 Other ICT	Not Applicable	
415 User Controls for Captions and Audio Descriptions	Heading cell – no response required	Headin
415.1.1 Where ICT provides operable parts for volume control, ICT shall also provide operable parts for caption selection.	Not Applicable	
415.1.2 Audio Description Controls. Where ICT provides operable parts for program selection, ICT shall also provide operable parts for the selection of audio description.	Not Applicable	

Chapter 5: Software – see Software VPAT

Notes: This is a hardware VPAT, see software VPAT for OS and other software applications.

Chapter 6: Support Documentation and Services

Criteria	Conformance Level	Remarks and Explanation
601.1 Scope	Heading cell – no response required	Heading cell – no response required
602 Support Documentation	Heading cell – no response required	Heading cell – no response required

Criteria	Conformance Level	Remarks and Explanation
602.2 Accessibility and Compatibility Features. Documentation shall list and explain how to use the accessibility and compatibility features required by Chapters 4 and 5. Documentation shall include accessibility features that are builtin and accessibility features that provide compatibility with assistive technology.	Supports	Product documentation is available online https://www.lenovo.com/support VPATs are available at https://www.lenovo.com/us/en/compliance
602.3 Electronic Support Documentation. Documentation in electronic format, including Web-based self-service support, shall conform to Level A and Level AA Success Criteria and Conformance Requirements in WCAG 2.0 (incorporated by reference, see 702.10.1).	Supports	The electronic web-based product documentation conforms to Level AA Success Criteria and Conformance Requirements in WCAG 2.0
602.4 Alternate Formats for Non-Electronic Support Documentation. Where support documentation is only provided in nonelectronic formats, alternate formats usable by individuals with disabilities shall be provided upon request.	Not Applicable	Documentation is available in electronic format
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features. ICT support services shall include information on the accessibility and compatibility features required by 602.2.	Supports	Lenovo Support provides information on accessibility features. This information is also documented on the Accessability Features page https://www.lenovo.com/us/en/lenovo/accessibility

Criteria	Conformance Level	Remarks and Explanation
603.3 Accommodation of Communication Needs. Support services shall be provided directly to the user or through a referral to a point of contact. Such ICT support services shall accommodate the communication needs of individuals with disabilities.	Supports	Lenovo Services provides communications Telecommunications Relay Service (TRS) i deaf or hard of hearing. For support, contact 1-855-2-LENOVO (1-855-253-6686).

Lenovo Legal Disclaimer

This document is for informational purposes only. THE INFORMATION PROVIDED IN THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT ANY KIND, EXPRESSED OR IMPLIED. Supporting features apply to product families as a whole. The information shall not be used for purposes of any warranty of compliance with product specifications in a given contract or order. For information on third party products, contact the software manufacturer. Lenovo may make changes to the information in this document or to the products described herein without notice.

E24-28

Lenovo DE23074109

 PRODUCT LIST

 COMPARE

 EXPORT RESULTS

 SHARE











YEARLY ENERGY CONSUMPTION
43.4 kWh



PERCENTAGE RECYCLED PLASTIC
85%



TOTAL WEIGHT
4.9 kg

BRAND NAME	Lenovo
SALES NAME	E24-28
MODEL NAME	F20238FE0
RECYCLED PLASTIC 	85%
WEIGHT 	4.9 kg
TYPICAL ENERGY CONSUMPTION (TEC) PER YEAR 	43.4 kWh
E_TEC LIMIT 	45.8 kWh
EU ENERGY EFFICIENCY INDEX: SDR	0.6
DISPLAY SIZE 	23.8"
ASPECT RATIO 	16:9
MAXIMUM RESOLUTION	1920x1080
TYPE OF STAND 	Pivot
SEPARATE POWER SUPPLY 	No
TCO CERTIFIED 	TCO Certified Edge Displays
CERTIFICATE NUMBER	DE23074109
CERTIFICATION DATE	2023-07-26
CERTIFICATE VALID UNTIL	2023-12-30
COMMENT	Edge criteria fulfilled: Minimum 85 % recycled plastics;



ENERGY STAR CERTIFIED Displays

Lenovo - E24-** : F20238FE*

Specifications

ENERGY STAR Unique ID:	2394887
Brand Name:	Lenovo
Model Name:	E24-**
Model Number:	F20238FE*
Product Type:	Monitor
Panel Type:	IPS LCD; VA LCD
Screen Size (inches):	23.8
Screen Area (square inches):	242.18
Native Resolution (pixels):	1080 x 1920
Maximum Luminance (candelas per square meter):	263.5
Total Native Resolution (megapixels):	2.1
Model Features:	None
Signal or Data Interfaces:	Display
Power Source:	Ac to dc internal power supply
Monitor Total Energy Consumption at 115 Volts (kWh/yr):	42.34
On Mode Power (watts):	13.4
Markets:	United States, Switzerland, Taiwan, Japan, Canada
Sleep Mode Power (watts):	0.22
Off Mode Power (watts):	0.21
Tiled Display System:	No
ENERGY STAR Certified:	Yes
ENERGY STAR Most Efficient:	No

Additional Model Information

T24s-**,,

UPC Codes

Captured On:
09/25/2023


THE ECO DECLARATION



ECMA/TC38-TG3/2015/026
(Rev. 1 - 15 April 2015)

Annex B2 - Product environmental attributes Computer monitors

The declaration may be published only when all rows and/or fields marked with * are filled-in (n.a. for not applicable). Additional information regarding each item may be found under P15.


Brand *	Lenovo	
Company name *	Lenovo	
Contact information * e-mail address	Lenovo Global Environmental Affairs Alvin L Carter alcarter@lenovo.com	
Internet site *	https://www.lenovo.com/us/en/sustainability-resources/	
Additional information	The latest version of this document can be found at: http://www.lenovo.com/ecodeclaration	

The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.	
Type of product *	Monitor
Commercial name *	Lenovo Thinkvision E24-28 / Lenovo L24-28
Model number *	62B6, 62B8, 66EA, 66EB, 62C7, 62C8
Issue date *	2020/12/15, updated 2021/11/11, updated 2022/03/04,
Intended market *	<input checked="" type="checkbox"/> Global <input type="checkbox"/> Europe <input type="checkbox"/> Asia, Pacific & Japan <input type="checkbox"/> Americas <input type="checkbox"/> Other
Additional information	


This is an uncontrolled copy when in printed form. Please refer to the contact information for the latest version.

About Annex B2

Annex B2 reflects Product environmental attributes relevant for Computers and Computer Monitors. The following items from ECMA-370 Main body are not shown in the template:
P4.1 - P4.3 Consumable materials
P9.1 TEC and Print speed
P10.2 - P10.3 Chemical emissions from printing products
P11.1 - P11.3 Consumable materials for printing products.

Model number *	62B6, 62B8, 66EA, 66EB, 62C7, 62C8	Logo			
Issue date *	2020/12/15, updated 2021/11/11, updated 2022/03/04				
Product environmental attributes - Legal requirements					
Item		Requirement met			
		Yes	No	n.a.	
P1	Hazardous substances and preparations				
P1.1*	Products do comply with current European RoHS Directive. (See legal reference and NOTE B1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorocarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
P1.4*	Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
P1.5*	Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,01g/cm ² (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:2011-5.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact): https://www.lenovo.com/us/en/Lenovo-REACH-SVHC-Disclosure	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P2	Batteries				
P2.1*	If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal symbol. Information on proper disposal is provided in user manual. (See legal reference)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
P2.3*	Batteries and accumulators are readily removable. (See legal reference)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
P3	Conformity verification & Eco design (ErP)				
P3.1*	The product is CE-marked to show conformance with applicable legal requirements (see legal reference). The Declaration of Conformity can be requested at (add link or e-mail address): https://www.lenovo.com/us/en/compliance/eu-doc	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P3.2*	The product complies with the Eco design requirements for energy-related products, (see legal reference). Required information is; <input type="checkbox"/> given in item P15 or added to this document, <input checked="" type="checkbox"/> available at (add URL): https://www.lenovo.com/us/en/compliance/eco-declaration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P5	Product packaging				
P5.1*	Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium and hexavalent chromium by weight of these together.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s) used (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (see legal reference). Comment: Legal reference has no maximum concentration values.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P6	Treatment information				
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NOTE B1 Restriction applies to the homogeneous material, unless other specified and expressed in weight %. Stating "Yes" means that the product is compliant with the mandatory requirements.

Model number *	62B6, 62B8, 66EA, 66EB, 62C7, 62C8	Logo		
Issue date *	2020/12/15, updated 2021/11/11, updated 2022/03/04			
Product environmental attributes - Market requirements (See General NOTE GN below) - Environmental conscious design				
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Requirement met		
		Yes	No	n.a.
P7 Design				
Disassembly, recycling				
P7.1*	Parts that have to be treated separately are easily separable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.2*	Plastic materials in covers/housing have no surface coating.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Product lifetime				
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P7.8*	Upgrading can be done using commonly available tools	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P7.9	Spare parts are available after end of production for: 5 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.10	Service is available after end of production for: 5 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Material and substance requirements				
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum): Material type: ABS Material type: SGCC Material type:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.12	Insulation materials of external electrical cables are PVC free.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.13	Insulation materials of internal electrical cables are PVC free.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.14	External plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bromine and 0,1% weight (1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, and polyvinyl chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in parts containing more than 25% post-consumer recycled content.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.15	Printed circuit boards, PCBs (without components) are low halogen PCBs > 25 g are low halogen as defined in IEC 61249-2-21. (See NOTE B2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4: Marking:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P7.17	Alt. 1: Chemical specifications of flame retardants in printed circuit boards > 25 g (without components): <input type="checkbox"/> TBBPA (additive) <input type="checkbox"/> TBBPA (reactive) (See NOTE B3) Other: P, CAS #: 35948-25-5 Alt. 2: Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according ISO 1043-4:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.18	Alt. 1: Flame retarded plastic parts > 25 g contain the following flame retardant substances/preparations in concentrations above 0,1%: 1. Chemical name: , CAS #: (See NOTE B4) 2. Chemical name: , CAS #: " 3. Chemical name: , CAS #: " Alt. 2: Chemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been assigned the following Risk phrases; and Hazard statements: The source(s) for these classifications is/are found at (add URL(s)): , (See note B5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P7.20*	Postconsumer recycled plastic material content is used in the product (See Note B6): If YES; at least one of the two alternatives below shall be answered; a) Of total plastic parts' weight > 25g, postconsumer recycled plastic material content (calculated as a percentage of total plastic by weight) is 85%. or b) The weight of recycled material is 751 g.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>


GENERAL NOTE Standard references should direct to the latest version of a standard. If an older version of a standard is used, section P15 shall be used for explanation.

NOTE B2 IEC 61249-2-21 defines maximum limits of 900 ppm for each of the substances chlorine and bromine and a maximum limit of 1500ppm of these substances combined. The standard does not address fluorine, iodine and astatine which are included in the group of halogens.

NOTE B3 and B4 A Guidance document on Chemical substances is available; see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>

NOTE B5 If a certain substance has been assigned a certain risk phrases / hazard statement in the referenced source, this does not necessarily mean the substance has been tested for all of the hazards referred to by a certain customer.

NOTE B6 Applies to a product containing plastic parts whose combined weight exceeds 100 g with the exception of printed circuit boards, cables, connectors and electronic components and bio-based plastic material.

Model number *	62B6, 62B8, 66EA, 66EB, 62C7, 62C8	Logo	
Issue date *	2020/12/15, updated 2021/11/11, updated 2022/03/04		


Product environmental attributes - Market requirements (continued)		Requirement met		
Item		Yes	No	n.a.

Material and substance requirements (continued)				
P7.21*	Biobased plastic material content is used in the product (See NOTE B7): If YES; at least one of the two alternatives below shall be answered; a) Of total plastic parts' weight > 25 g, the biobased plastic material content (calculated as a total plastic by weight) is 0%. or b) The weight of the biobased plastic material is 0g.			<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
P7.22*	Light sources are free from mercury, i.e. less than 0,1 mg/lamp. If mercury is used specify: Number of lamps: _____ and maximum mercury content per lamp: _____			<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
P8 Batteries				
P8.1*	Battery chemical composition:			<input checked="" type="checkbox"/>
P9 Energy consumption (See NOTE B8)				
P9.1 For the product the following power levels or energy consumptions are reported:				
Energy mode *	Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard for energy modes and test method *
Peak (On-max)	11.66 W	11.80 W	11.85 W	Full load
<u>Category ---</u>				
Sleep (S3) - WOL Enabled	0.17 W	0.18 W	0.26 W	Use for ENERGY STAR V6 registration (P_{sleep})
Off (S5) - WOL Enabled	0.16 W	0.17 W	0.25 W	Use for ENERGY STAR V6 registration (P_{off})
PTEC *	W	W	W	<input checked="" type="checkbox"/>
Typical Energy Consumption				
ETEC *	36.73 kWh/year	37.18 kWh/year	37.81 kWh/year	<input type="checkbox"/>
Annual Energy Consumption				
External Power Supply Efficiency Level (International Efficiency Marking Protocol) * :				
Display resolution * : 1920 x 1080 megapixels				
Default time to enter energy save mode: _____ minutes				
P9.2*	Information about the energy save function is provided with the product.			<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
P9.3	Energy efficiency class (monitors only): D			<input type="checkbox"/>
P10 Emissions				
Noise emission - Declared according to ISO 9296 (See NOTE B9)				
P10.1	Mode	Mode description	Statistical upper limit A-weighted sound power level (dB)	
	Idle	*	*	<input checked="" type="checkbox"/>
	Operation	*	*	<input checked="" type="checkbox"/>
	Other mode	Declared A-weighted sound pressure level (dB) _{pAm}	(operator position desktop - idle)	
	Other mode	Declared A-weighted sound pressure level (dB) _{pAm}	(operator position desktop - operating)	
Measured according to: <input type="checkbox"/> ISO 7779 <input type="checkbox"/> ECMA-74				
<input type="checkbox"/> Other (only if not covered by ECMA-74)				

NOTE B7 The following is to be excluded from the calculation of percentage: printed circuit boards, labels, cables, connectors and electronic components and postconsumer recycled plastic

NOTE B8 A Guidance document on Energy Efficiency is available;
see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>

NOTE B9 A Guidance document on Acoustic Noise is available;
see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>

Model number *	62B6, 62B8, 66EA, 66EB, 62C7, 62C8	Logo		
Issue date *	2020/12/15, updated 2021/11/11, updated 2022/03/04			
Product environmental attributes - Market requirements (continued)			Requirement met	
Item		Yes	No	n.a.
Electromagnetic emissions				
P10.4	Computer display meets the requirement for low frequency electromagnetic fields of the following program(s):	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
P12 Ergonomics for computing products				
P12.1*	The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P12.2*	The physical input device meets the requirements of ISO 9995 and ISO 9241-410.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P13 Packaging and documentation				
P13.1*	Product packaging material type(s): carton weight (kg): 0.7 Product packaging material type(s): EPS front weight (kg): 0.1 Product packaging material type(s): EPS back weight (kg): 0.26			
P13.2*	Product plastic primary packaging is free from PVC.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P13.3*	For product primary corrugated fiberboard packaging, specify the contained percentage of minimum post-consumer recovered fiber content: 90 %			<input type="checkbox"/>
P13.4*	Specify media for user and product documentation (tick box): <input checked="" type="checkbox"/> Electronic, <input type="checkbox"/> Paper, <input type="checkbox"/> Other			<input type="checkbox"/>
P13.5	(Please only complete this item if paper documentation used) User and product documentation on paper media is chlorine-free: If Yes, please specify: Totally chlorine-free Elemental chlorine-free Processed chlorine-free	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
P14 Voluntary programs				
P14.1	The product meets the requirements of the following voluntary program(s): ENERGY STAR® Criteria version: 8.0 Date: 2020/10/28 Product category: Displays Eco-label: TCO Criteria version: 8.0 Date: 2020/10/28 Product category: Displays Eco-label: EPEAT Criteria version: 1680.1-2018 Date: 2020/10/28 Product category: Displays			
P15 Additional information (See NOTE B10)				
P9	Energy consumption of specific configuration may vary; description of the tested product configuration: NOTE: Supplier makes no representations, guarantees, assurances or warranties whether express or implied, regarding the information contained in this document. All information provided by supplier in this document is provided based on supplier's knowledge available at the time of completion, and supplier shall have no obligation to update such information. The information provided here is approximate and provided for informational purposes only. See a Lenovo Account Representative for more information.			
P9	See Energy Star Qualified Notebooks & Tablet Computers for the latest information: http://www.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&pgw_code=CO			

NOTE B10 Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the <Enter> key.

Legal references Europe Annex B2

Reference	Declaration item
Directive 2011/65/EU (RoHS Directive) * * Specific exemptions apply for certain products and applications.	P1.1
Regulation (EC) 1907/2006 (REACH, Annex XVII)	P1.2, P1.4, P1.6, P1.7
Regulation (EC) 2037/2000, 2038/2000, 2039/2000 (Marketing and use of Ozone layer depleting substances)	P1.3, P5.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
Directive 2013/56/EC (Battery and accumulators Directive) * * These provisions shall not apply where, for safety, performance, medical or data integrity reasons, continuity of power supply is necessary and requires a permanent connection between the appliance and the battery or accumulator	P2.1, P2.2, P2.3, P8.1
Directive 2006/95/EC (Low Voltage Directive)	P3.1
Directive 2004/108/EC (EMC Directive)	P3.1
Directive 1999/5/EC (R&TTE Directive)	P3.1
Regulation (EC) 801/2013 amending Regulation (EC) No 1275/2008 with regard to ecodesign requirements for standby, off mode electric power consumption of electrical and electronic household and office equipment, and amending Regulation (EC) No 642/2009 with regard to ecodesign requirements for televisions	P3.1, P3.2
Regulation (EC) No 1272/2008 (CLP Regulation)	P7.19
Directive 2004/12/EC (Packaging Directive)	P5.1
Decision 97/129/EC (Secondary packaging legislation)	P5.2
Directive 2012/19/EU (WEEE directive)	P6.1

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(Tel - 65-6827-1000 & Fax- 65-6827-1100)

EU Declaration of Conformity

For the << E24-**, H20238FE*>>
Types: << 62C7 -**-**>>
(the * in the model name 0 to 9, A to Z, a to z or blank for marketing use only)

We, Lenovo (Singapore) Pte Ltd., declare under sole responsibility that the above products, manufactured for:

Lenovo PC HK Limited.
23/F, Lincoln House, Taikoo Place 979 King's Road,
Quarry Bay, Hong Kong, China

Council Directive 2014/35/EU-relating to the making available on the market of electronic equipment designed for use within certain voltage limits.

- **Council Directive 2014/30/EU relating to electromagnetic compatibility.**
- **Council Directive 2009/125/EC and EC 1275/2008 (Class B) establishing a framework for the setting of Ecodesign requirements for Energy-related products.**
- **Council Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment as amended by Directive 2015/863/EU.**

Conformity with these Directives has been assessed for this product by demonstrating compliance to the following harmonized standards and/or regulations:

AS/NZS CISPR32:2016, AS/NZS CISPR 32:2019
EN55032:2015+AC: 2016, EN55032:2015+A11: 2020;
EN55035:2017, EN 55035:2017+A11:2020
IEC 61000-4-2:2008, IEC 61000-4-3:2006+A1:2007+A2:2010, IEC 61000-4-3:2020,
IEC 61000-4-4:2012,
IEC 61000-4-5:2014+A1:2017, IEC 61000-4-6:2013+AC: 2015, IEC 61000-4-8:2009,
IEC 61000-4-11:2004+A1:2017, IEC 61000-4-11:2020
EN 61000-3-2:2014, EN 61000-3-3:2013, EN IEC 61000-3-2:2019, EN 61000-3-3:2013+A1:2019
EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011+A2:2013,
IEC 62301:2011, EN 50564:2011, EC 1275/2008 Energy related Products (ErP)
EN 50581:2012
EN 62368-1:2014+A11:2017

Signed: _____
Joseph Chua (Executive Director)

Date: 03/23/2021

Place of issue: Lenovo (Singapore) Pte. Ltd.

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